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DOCKET NO.: P0453.70112US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Boyd et al.

Serial No.:

10/821,813

Confirmation No.:

9059

Filed:

April 8, 2004

For:

THE USE OF METHYLNALTREXONE TO TREAT IRRITABLE

BOWEL SYNDROME

Examiner:

Not Yet Assigned

Art Unit:

1614

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the day of August, 2004.

Kristin J. Ketelhut

Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- [X] Information Disclosure Statement
- [X] PTO Form 1449 with cited references
- [X] Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted, Boyd et al., Applicant

Rv

Edward R. Gates, Reg. No.: 31,616

Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210-2211

Telephone: (617) 646-8000

Docket No. P0453.70112US01 Date: August 6, 2004

xNDDx



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Kristin J. Ketellut

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The following are remarks concerning the other information cited:

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted, Boyd et al., Applicant

Bv

Edward R. Gates, Reg. No. 31,616 Wolf, Greenfield & Sacks, P.C.

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Boston, Massachusetts 02210-2211

Telephone: (617) 646-8000

Docket No. P0453.70112US01

Date: August <u>6</u> 2004

XNDDX

FORM PTO-1449/A and B (Mod Sed)

INFORMATION DISC SOLUTION

APPLICATION NO.: 10/821,813

ATTY. DOCKET NO.: P0453.70112US01

FILING DATE:

April 8, 2004

CONFIRMATION NO.: 9059

APPLICANT:

Boyd et al.

Sheet 1 of 3

STATEMENT BY APPLICANT

GROUP ART UNIT: 1614

EXAMINER: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner's	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or of issue of Cited Document MM-DD-YYYY	
Initials No.		Number	Kind Code	Document		
	A30	4,311,833		Namikoshi, et al.	01-19-1982	
	A31	4,377,568		Chopra, et al.	03-22-1983	
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	A33	4,457,907		Porter, et al.	07-03-1984	
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Examiner's	Cite	For	reign Patent Docu	ment	Name of Patentee or Applicant of Cited Document	Date of Publication of	Translation
Initials	No.	Office/ Country	Number	Kind Code	(not necessary)	Cited Document MM-DD-YYYY	(Y/N)
	B22	AU	758,416		Arch Development Corp.	07-03-1999	
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	B25	EP	1,047,726	A1	Quest International B.V.	07-22-1999	
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	B27	wo	04/043964	A2	Mallinckrodt	05-27-2004	

FORM PTO)-1449/A and B (M	odifie	d)	APPLICATION NO.:	10/821,813	ATTY. DOCKET NO.: P0453.70112US01
INFO	RMATION D	ISC	LOSURE	FILING DATE:	April 8, 2004	CONFIRMATION NO.: 9059
STATEMENT BY APPLICANT				APPLICANT:	Boyd et al.	
	T			GROUP ART UNIT:	1614	EXAMINER: Not Yet Assigned
Sheet	2	of	3			

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's	Cite	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Translation (Y/N)		
Initials	No				
		publisher, city and/or country where published.			
	C117	ALTIER et al., Opioid receptors in the ventral tegmental area contribute to stress-induced analgesia in the formalin test for tonic pain. Brain Res. 1996 Apr 29;718(1-2):203-6.			
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		Quebec City, Quebec, Canada. Abstracts. Drug Alcohol Depend. 2002 May 1;66 Suppl 1:S1-220. Abstract No.			
		65.			
	C123	CARR et al., Naltrexone antagonizes the analgesic and immunosuppressive effects of morphine in mice. J			
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		on lymphocyte trafficking. J Pharmacol Exp Ther. 1995 Mar;272(3):1246-51.	 		
	C128	GILES et al., Quaternary opiate antagonists lower blood pressure and inhibit leucine-enkephalin responses. Eur J			
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	C132	KOSTIC, CAS Abstract Document No. 127: 13345, 1997.			
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	C139	SANDNER-KEISLING et al., Pharmacology of opioid inhibition to noxious uterine cervical distension.			
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	C140	SHAVIT et al., Effects of a single administration of morphine or footshock stress on natural killer cell			
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	C142	STEINBROOK et al., An opioid antagonist for postoperative ileus. N Engl J Med. 2001 Sep 27;345(13):988-9.	+		
	C143	WEI et al., Abstracts of the 2002 Annual Meeting of the American Society for Clinical Pharmacology and			
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FORM PTO	O-1449/A a	nd B (Modified	d)	APPLICATION NO	D.: 10/821,813	ATTY. DOCKET NO.: P0453.70112US01
INFO	RMATI	ION DISC	LOSURE	FILING DATE: April 8, 2004 CONFIRMATION N		CONFIRMATION NO.: 9059
STATEMENT BY APPLICANT				APPLICANT: Boyd et al.		
Sheet	3	of	3	GROUP ART UNIT	Г: 1614	EXAMINER: Not Yet Assigned
	C144	WILMORE	et al Can we m	inimize the effects of or	pioids on the bowel and	d still achieve adequate pain control?

Γ	C144	WILMORE et al., Can we minimize the effects of opioids on the bowel and still achieve adequate pain control?	
		Am J Surg. 2001 Nov;182(5A Suppl):1S-2S.	
	C145	WYBRAN et al., Suggestive evidence for receptors for morphine and methionine-enkephalin on normal human	İ
		blood T lymphocytes. J Immunol. 1979 Sep;123(3):1068-70.	
	C146	YUAN, Clinical Status of Methylnaltrexone, A New Agent to Prevent and Manage Opioid-Induced Side Effects.	
		J Support Oncol. 2004 Mar/Apr: 2(2):111-22.	

EXAMINER	DATE CONSIDERED

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).